

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A rod integrator with a color wheel, comprising:
the rod integrator including an incident-end opening and an emerging-end opening, the rod integrator further including~~having~~ a reflecting surface, for emitting light that is incident on an incident-end opening from a light source through an emerging-end opening, an end ~~face~~surface of an outer periphery of the emerging-end ~~opening~~opening, which is on a plane that is substantially perpendicular to a central axis of the rod integrator and being a scattering surface or a blaze surface that reflects the incident light from ~~at~~the color wheel on the end ~~face~~surface toward ~~at~~the central axis of the rod integrator.
2. (Canceled)
3. (Currently Amended) The rod integrator according to Claim 1, the blaze surface of the end ~~face~~surface having different blaze angles depending on a position of the blaze surface in the end ~~face~~surface, the blaze angle being defined by a normal of the blaze surface and the central axis, the longer a distance between the blaze surface and the central axis is, the larger the blaze angle is.
4. (Currently Amended) The rod integrator according to Claim 1, a reflectance of the end ~~face~~surface being approximately 80 percent or more.
5. (Currently Amended) The rod integrator according to Claim 1, the scattering surface of the end ~~face~~surface including a plurality of V-grooves having a very small depth.
6. (Currently Amended) The rod integrator according to Claim 1, the end ~~face~~surface further having a reflecting surface around the scattering surface.
7. (Original) An illuminator, comprising:
a light source that supplies light; and

the rod integrator according to Claim 1, that substantially uniformizes an intensity distribution of the light from the light source.

8. (Original) A projector, comprising:
the illuminator according to Claim 7;
a spatial light modulator that modulates incident light in accordance with an image signal; and
a projector lens that projects the modulated light.

9. (Currently Amended) An optical device, ~~comprising~~comprising:
the rod integrator according to Claim 1; and
a light source that supplies light.